

SEQUENCE LISTING

<110> Role, Lorna W.  
Talmage, David  
Bao, Jianxin

<120> A-FORM OF CYTOPLASMIC DOMAIN OF nARIA (CRD-NEUREGULIN  
AND USES THEREOF

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<140> 09/312,596

<141> 1999-05-14

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<170> PatentIn Ver. 2.1

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<212> DNA

<213> CHICKEN nARIA

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55

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Glu Arg Arg Ile Arg Asn Tyr Lys Ser Gly Gln Glu Thr Arg Ala Gln  
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Xaa Leu Gln Ser Cys Pro Trp Leu Arg Gln Gly Ser Val Ser Gly Arg  
115 120 125

Gly Leu Gly Gln Gly Ala Gly Gly Leu Leu Phe Pro Val Arg Ser Ser  
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Ser Pro Ser Ser Asp Asp Val Ala Val Ser Asp Leu Ser Leu Thr Pro  
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Val Cys Val Ser Gln Xaa Trp Thr Val Ile Glu Leu Arg Pro Phe Gly  
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Gly Glu Leu Cys His Ser Xaa Cys Leu Asn Met Ser Glu Val Gly Thr  
195 200 205

Glu Thr Phe Pro Ser Pro Ser Ala Gln Leu Ser Pro Asp Ala Ser Leu  
210 215 220

Gly Gly Leu Pro Ala Glu Glu Asn Met Pro Gly Pro His Arg Glu Asp  
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Ser Arg Val Pro Gly Val Ala Gly Leu Ala Ser Thr Cys Cys Val Cys  
245 250 255

Leu Glu Ala Glu Arg Leu Lys Gly Cys Leu Asn Ser Glu Lys Ile Cys  
260 265 270

Ile Ala Pro Ile Leu Ala Cys Leu Leu Ser Leu Cys Leu Cys Ile Ala  
275 280 285

Gly Leu Lys Trp Val Phe Val Asp Lys Ile Phe Glu Tyr Asp Ser Pro  
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Thr His Leu Asp Pro Gly Arg Ile Gly Gln Asp Pro Arg Ser Thr Val

305

310

315

320

Asp Pro Thr Ala Leu Ser Ala Trp Val Pro Ser Glu Val Tyr Ala Ser  
325 330 335

Pro Phe Pro Ile Pro Ser Leu Glu Ser Lys Ala Glu Val Thr Val Gln  
340 345 350

Thr Asp Ser Ser Leu Val Pro Ser Arg Pro Phe Leu Gln Pro Ser Leu  
355 360 365

Tyr Asn Arg Ile Leu Asp Val Gly Leu Trp Ser Ser Ala Thr Pro Ser  
370 375 380

Leu Ser Pro Ser Ser Leu Glu Pro Thr Thr Ala Ser Gln Ala Gln Ala  
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Tyr Cys Lys Thr Lys Lys Gln Arg Lys Lys Leu His Asp Arg Leu Arg  
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Gln Ser Leu Arg Ser Glu Arg Asn Asn Val Met Asn Met Ala Asn Gln  
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Pro His His Pro Asn Pro Pro Asp Asn Val Gln Leu Val Asn Gln  
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Tyr Val Ser Lys Asn Ile Ile Ser Ser Glu Arg Val Val Glu Arg Glu

565

570

575

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Thr Glu Ser Ile Leu Ser Glu Ser His Ser Val Leu Val Ser Ser Ser  
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Val Glu Asn Ser Arg His Thr Ser Pro Thr Gly Pro Arg Gly Arg Leu  
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Asn Gly Ile Gly Gly Pro Arg Glu Gly Asn Ser Phe Leu Arg His Ala  
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Arg Glu Thr Pro Asp Ser Tyr Arg Asp Ser Pro His Ser Glu Arg Tyr  
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Lys Tyr Asp Asn His Leu Gln Gln Phe Asn Ser Phe His Asn Asn Pro  
740 745 750

Thr His Glu Ser Asn Ser Leu Pro Pro Ser Pro Leu Arg Ile Val Glu  
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Asp Glu Glu Tyr Glu Thr Thr Gln Glu Tyr Glu Pro Ala Gln Glu Pro  
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Pro Lys Lys Leu Thr Asn Ser Arg Arg Val Lys Arg Thr Lys Pro Asn  
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Gly His Ile Ser Ser Arg Val Glu Val Asp Ser Asp Thr Ser Ser Gln  
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Ser Thr Ser Ser Glu Ser Glu Thr Glu Asp Glu Arg Ile Gly Glu Asp

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885	890	895
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Lys Lys Lys Leu Leu Xaa Ile Lys Tyr Thr Tyr Val Gln Met Cys Tyr		
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Val Pro Tyr Val Ala Ile Phe Tyr Ser Ile Ser Lys Met Gly Lys Asp		
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Ile Asn Gly Ala Phe Met Leu Cys Tyr Val Glu Ser Lys Phe Cys Thr		
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Pro Ser Thr Gln Leu Ser Ala Asp Pro Ser Leu Asp Gly Leu Pro Ala  
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Ala Glu Asp Met Pro Glu Pro Gln Thr Glu Asp Gly Thr Pro Gly Leu  
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Val Gly Leu Ala Val Pro Cys Cys Ala Cys Leu Glu Ala Glu Arg Leu  
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Arg Gly Cys Leu Asn Ser Glu Lys Ile Cys Ile Val Pro Ile Leu Ala  
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Cys Leu Val Ser Leu Cys Leu Cys Ile Ala Gly Leu Lys Trp Val Phe  
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Val Asp Lys Ile Phe Glu Tyr Asp Ser Pro Thr His Leu Asp Pro Gly  
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Ala Val Trp Val Ser Ser Glu Ala Tyr Thr Ser Pro Val Ser Arg Ala  
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His Ser Pro Ser Leu His Tyr Cys His Pro Asp Ser Xaa Pro Gln Leu  
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Glu Gln Arg Thr His Xaa Lys His Pro Phe Arg Lys Pro Leu Cys Asn  
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